



## SEQUENCE LISTING

<110> Xu, Zhong-Bao  
Somers, William  
Akopian, Tatos  
Hsiao, Chu-Lai  
Unwalla, Rayomond

<120> CRYSTAL STRUCTURE OF ESTROGEN RECEPTOR-B COMPLEX  
AND USES THEREOF

<130> 37174/9

<140> US 09/903,876

<141> 2001-07-11

<150> US 60/217,834

<151> 2000-07-12

<160> 2

<170> PatentIn version 3.0

<210> 1

<211> 243

<212> PRT

<213> Homo sapiens

<400> 1

Ala Leu Ser Leu Thr Ala Asp Gln Met Val Ser Ala Leu Leu Asp Ala  
1 5 10 15  
Glu Pro Pro Ile Leu Tyr Ser Glu Tyr Asp Pro Thr Arg Pro Phe Ser  
20 25 30  
Glu Ala Ser Met Met Gly Leu Leu Thr Asn Leu Ala Asp Arg Glu Leu  
35 40 45  
Val His Met Ile Asn Trp Ala Lys Arg Val Pro Gly Phe Val Asp Leu  
50 55 60  
Thr Leu His Asp Gln Val His Leu Leu Glu Cys Ala Trp Leu Glu Ile  
65 70 75 80  
Leu Met Ile Gly Leu Val Trp Arg Ser Met Glu His Pro Val Lys Leu  
85 90 95  
Leu Phe Ala Pro Asn Leu Leu Leu Asp Arg Asn Gln Gly Lys Cys Val  
100 105 110  
Glu Gly Met Val Glu Ile Phe Asp Met Leu Leu Ala Thr Ser Ser Arg  
115 120 125  
Phe Arg Met Met Asn Leu Gln Gly Glu Glu Phe Val Cys Leu Lys Ser  
130 135 140  
Ile Ile Leu Leu Asn Ser Gly Val Tyr Thr Phe Leu Ser Ser Thr Leu  
145 150 155 160

Lys Ser Leu Glu Glu Lys Asp His Ile His Arg Val Leu Asp Lys Ile  
                     165                    170                    175  
 Thr Asp Thr Leu Ile His Leu Met Ala Lys Ala Gly Leu Thr Leu Gln  
                     180                    185                    190  
 Gln Gln His Gln Arg Leu Ala Gln Leu Leu Leu Ile Leu Ser His Ile  
                     195                    200                    205  
 Arg His Met Ser Asn Lys Gly Met Glu His Leu Tyr Ser Met Lys Cys  
                     210                    215                    220  
 Lys Asn Val Val Pro Leu Tyr Asp Leu Leu Leu Glu Met Leu Asp Ala  
                     225                    230                    235                    240  
 His Arg Leu

<210> 2

<211> 239

<212> PRT

<213> Homo sapiens

<400> 2

Leu Asp Ala Leu Ser Pro Glu Gln Leu Val Leu Thr Leu Leu Glu Ala  
 1                    5                    10                    15  
 Glu Pro Pro His Val Leu Ile Ser Arg Pro Ser Ala Pro Phe Thr Glu  
                     20                    25                    30  
 Ala Ser Met Met Met Ser Leu Thr Lys Leu Ala Asp Lys Glu Leu Val  
                     35                    40                    45  
 His Met Ile Ser Trp Ala Lys Lys Ile Pro Gly Phe Val Glu Leu Ser  
                     50                    55                    60  
 Leu Phe Asp Gln Val Arg Leu Leu Glu Ser Cys Trp Met Glu Val Leu  
 65                    70                    75                    80  
 Met Met Gly Leu Met Trp Arg Ser Ile Asp His Pro Gly Lys Leu Ile  
                     85                    90                    95  
 Phe Ala Pro Asp Leu Val Leu Asp Arg Asp Glu Gly Lys Cys Val Glu  
                     100                    105                    110  
 Gly Ile Leu Glu Ile Phe Asp Met Leu Leu Ala Thr Thr Ser Arg Phe  
                     115                    120                    125  
 Arg Glu Leu Lys Leu Gln His Lys Glu Tyr Leu Cys Val Lys Ala Met  
                     130                    135                    140  
 Ile Leu Leu Asn Ser Ser Met Tyr Pro Leu Val Thr Ala Gln Asp Ala  
 145                    150                    155                    160  
 Asp Ser Ser Arg Lys Leu Ala His Leu Leu Asn Ala Val Thr Asp Ala  
                     165                    170                    175  
 Leu Val Trp Val Ile Ala Lys Ser Gly Ile Ser Ser Gln Gln Gln Ser  
                     180                    185                    190

Met Arg Leu Ala Asn Leu Leu Met Leu Ser His Val Arg His Ala Ser  
195 200 205

Asn Lys Gly Met Glu His Leu Leu Asn Met Lys Cys Lys Asn Val Val  
210 215 220

Pro Val Tyr Asp Leu Leu Leu Glu Met Leu Asn Ala His Val Leu  
225 230 235